

Applicant: Hiroshi OGASAWARA, et al.

Title: Method of Installing Software on Storage Device Controlling...

Atty Docket No. 16869K-103400US

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FIG. 1

(1/15)

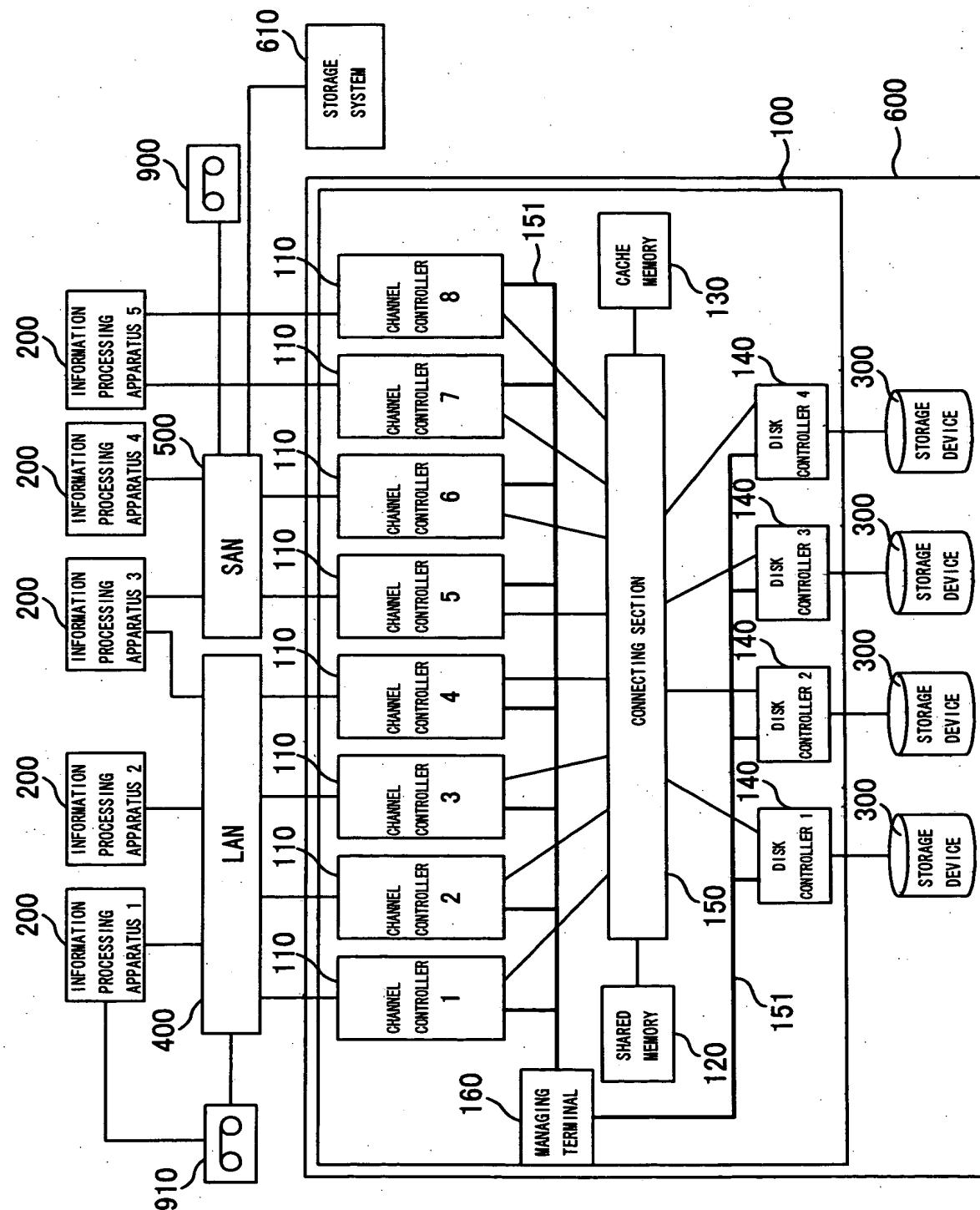


FIG. 2

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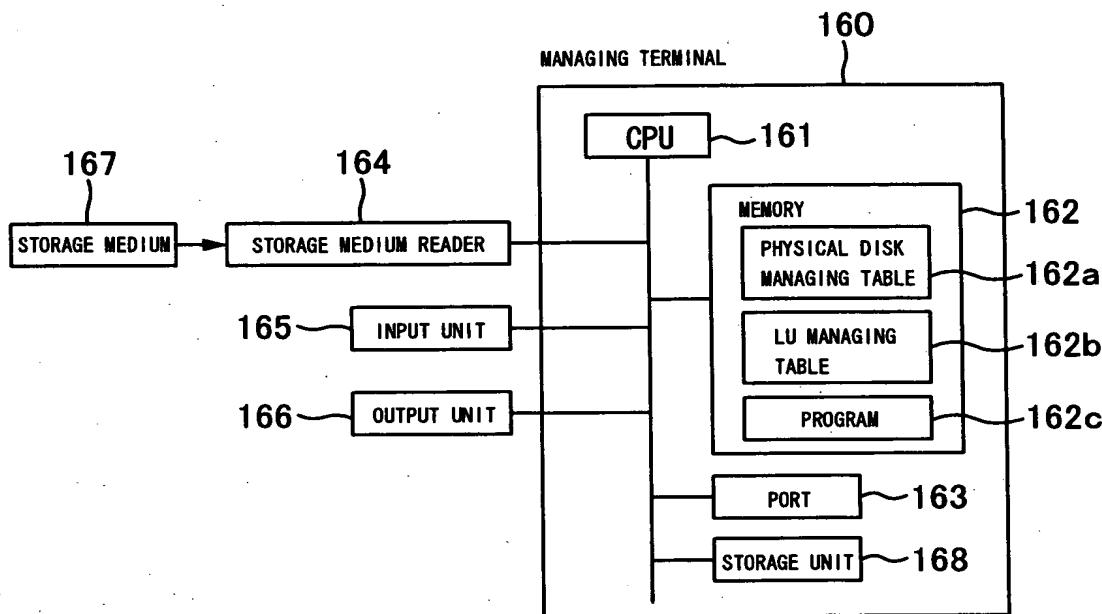


FIG. 3

PHYSICAL DISK MANAGING TABLE

DISK NUMBER	CAPACITY	RAID	USAGE STATE
#001	100GB	5	USED
#002	100GB	5	USED
#003	100GB	5	USED
#004	100GB	5	USED
#005	100GB	5	USED
#006	50GB	—	UNUSED
:	:	:	:

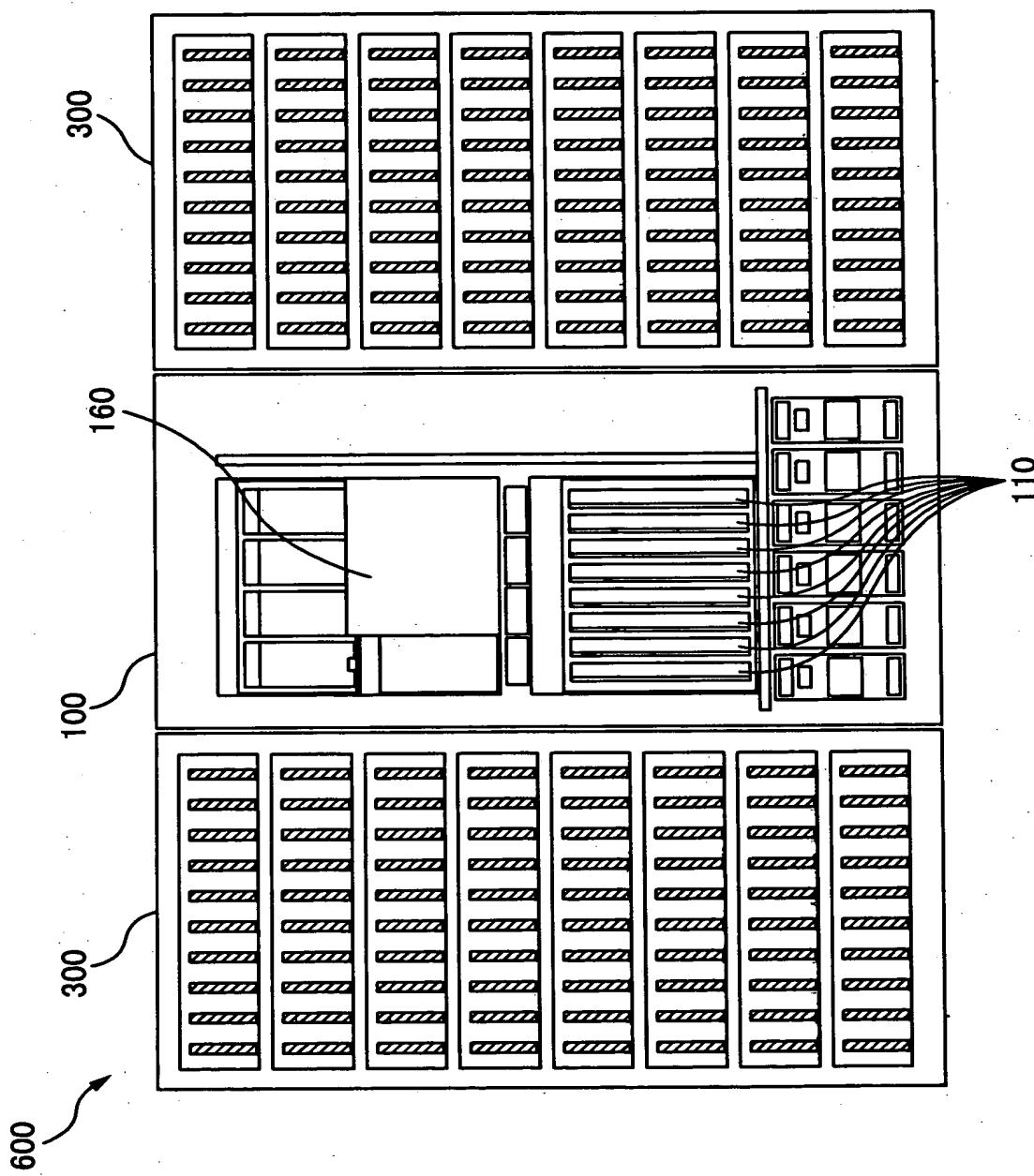
FIG. 4

LU MANAGING TABLE

LU NUMBER	PHYSICAL DISK	CAPACITY	RAID
#1	#001, #002, #003, #004, #005	100GB	5
#2	#001, #002, #003, #004, #005	300GB	5
#3	#006, #007,	200GB	1
:	:	:	:

FIG. 5

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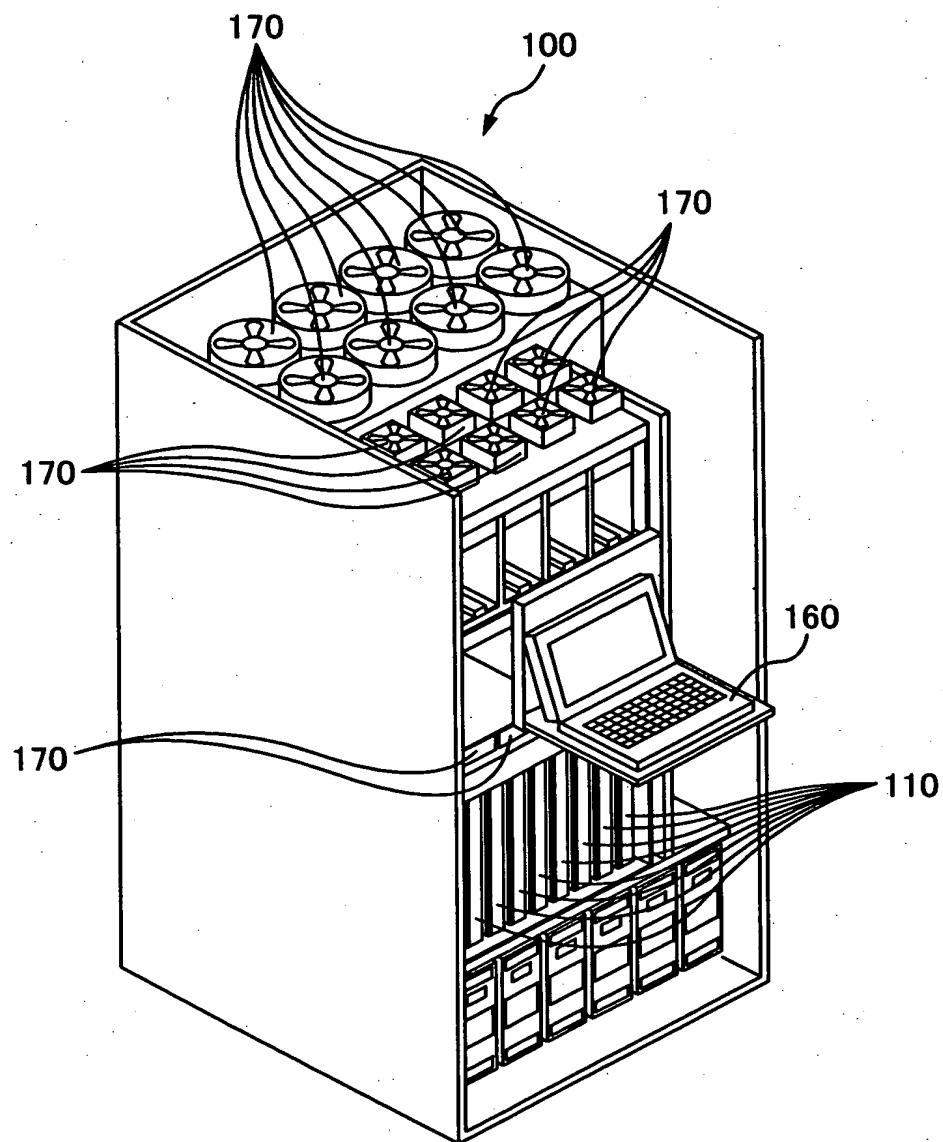
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FIG. 6

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FIG. 7

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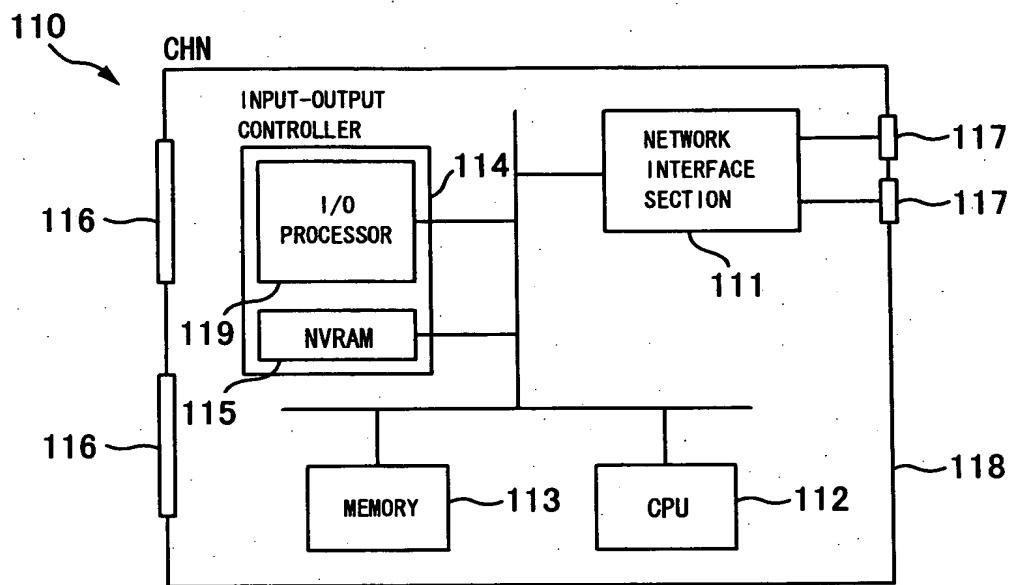


FIG. 8

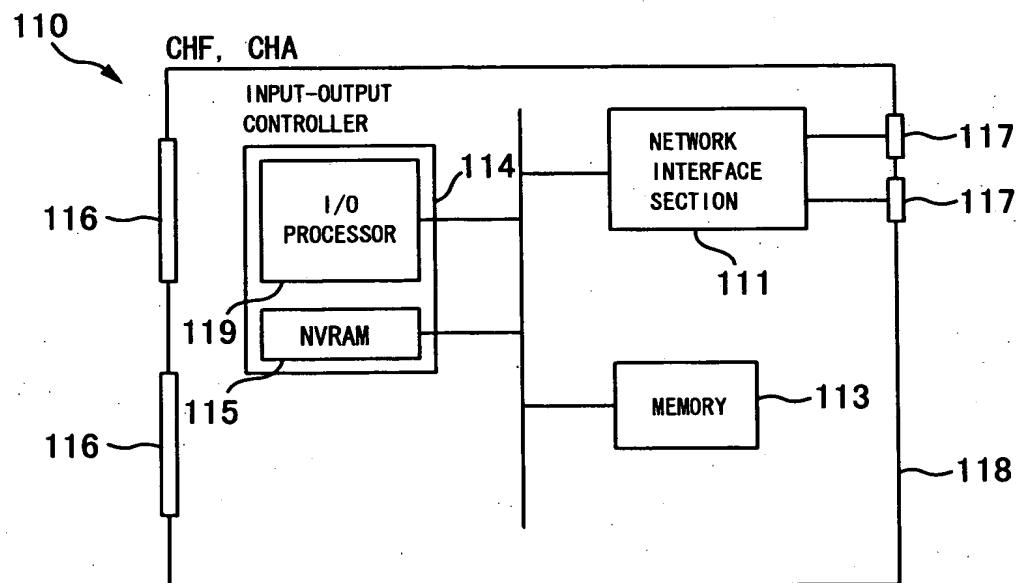


FIG. 9

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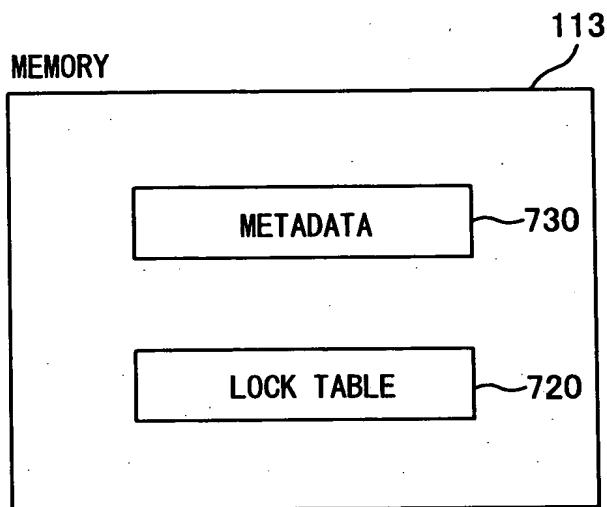
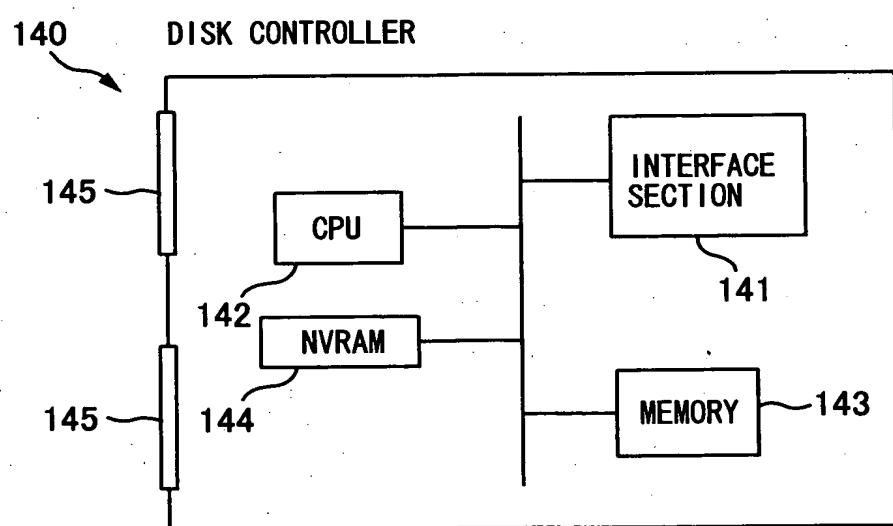


FIG. 10



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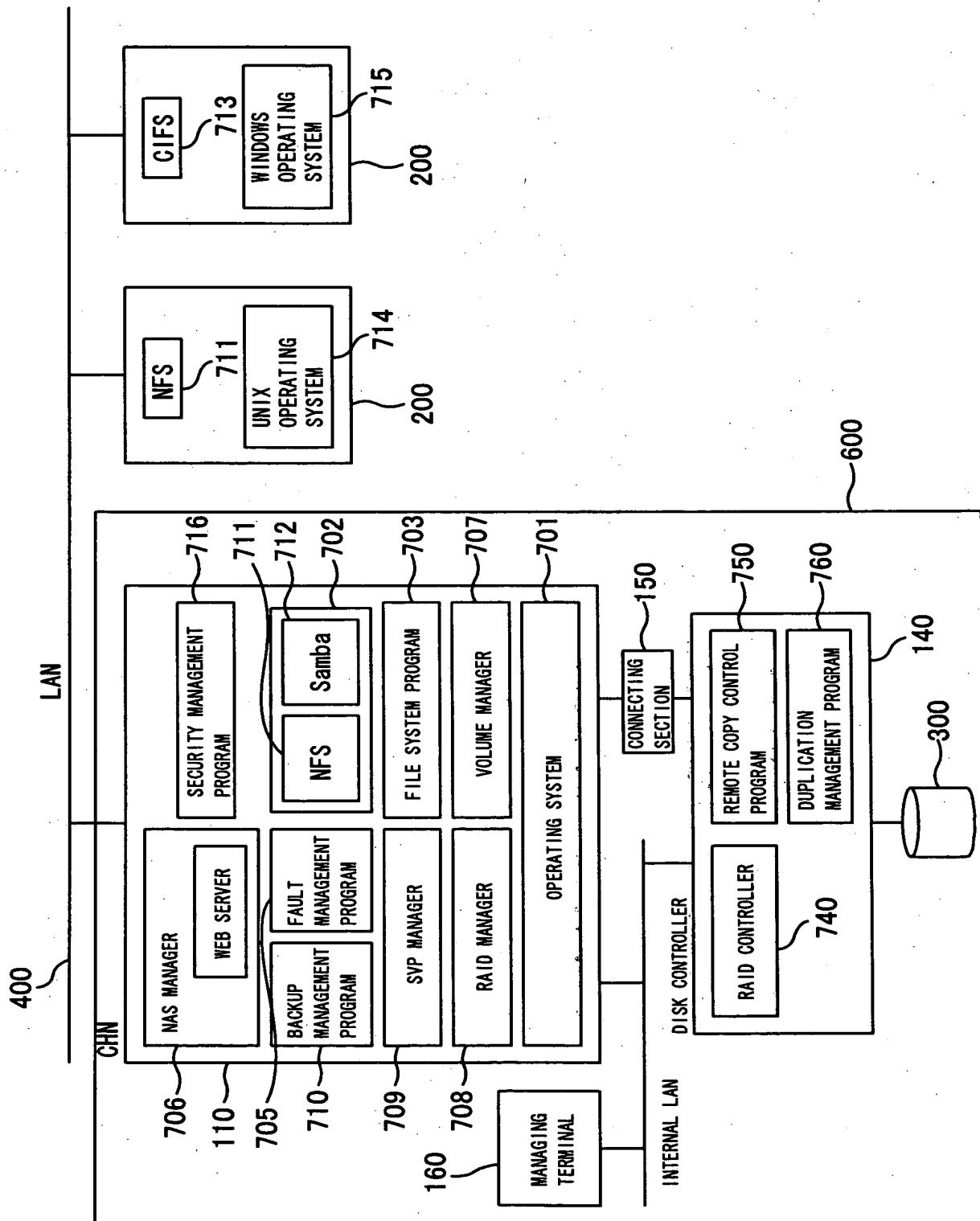
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FIG. 11

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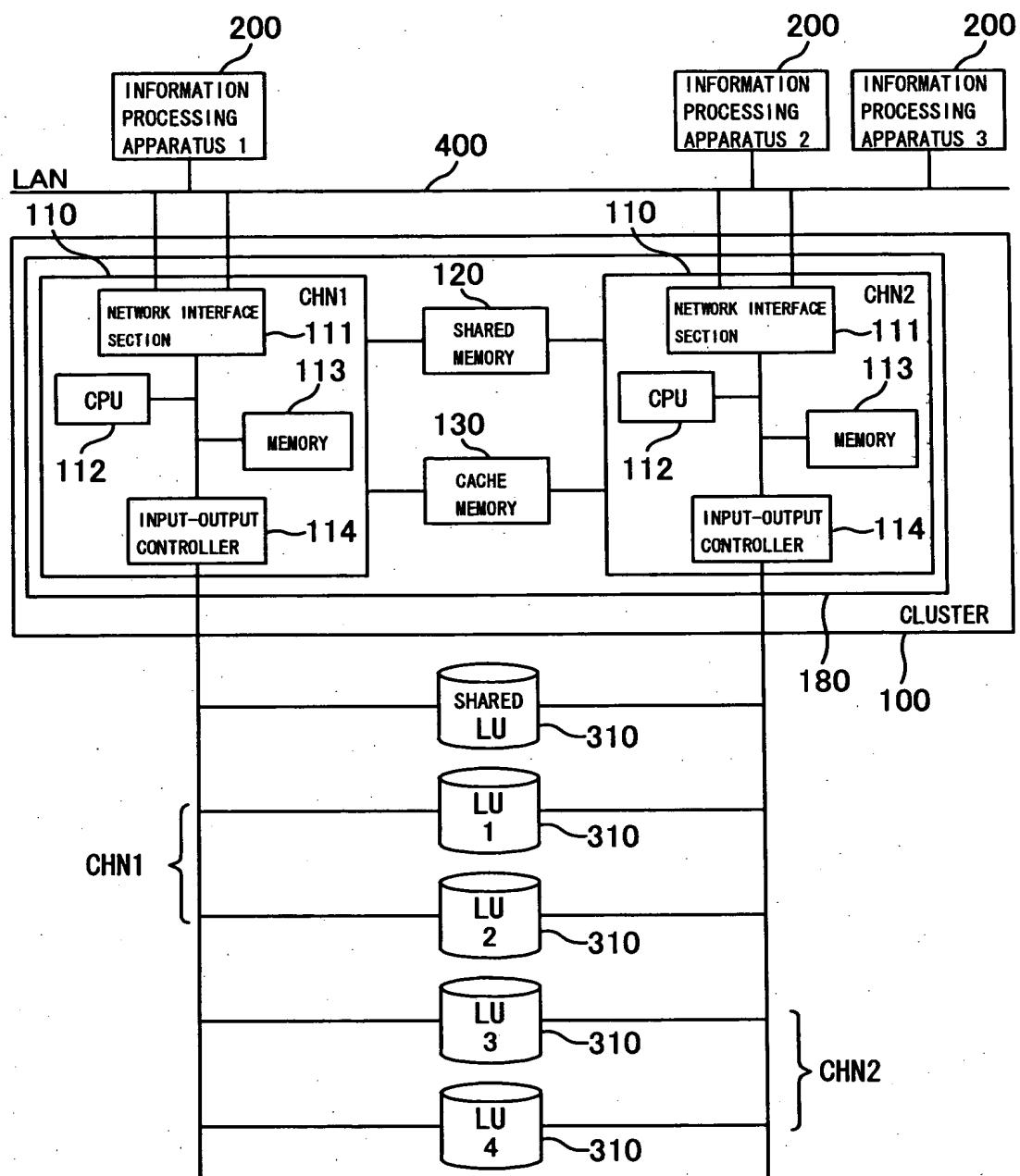
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FIG. 12

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FIG. 13

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METADATA

FILE NAME	TOP ADDRESS	CAPACITY	OWNER	UPDATE TIME
A	7BSA	200MB	X	0 : 00
B	05BF	50MB	X	7 : 57
C	1F30	100MB	Y	9 : 15
D	470B	100MB	Z	15 : 20
:	:	:	:	:

FIG. 14

721

FILE LOCK TABLE

FILE NAME	LOCK/UNLOCK
A	LOCKED
B	—
C	—
D	LOCKED
:	:

722

LU LOCK TABLE

LU	LOCK/UNLOCK
SHARED	—
1	LOCKED
2	—
:	:

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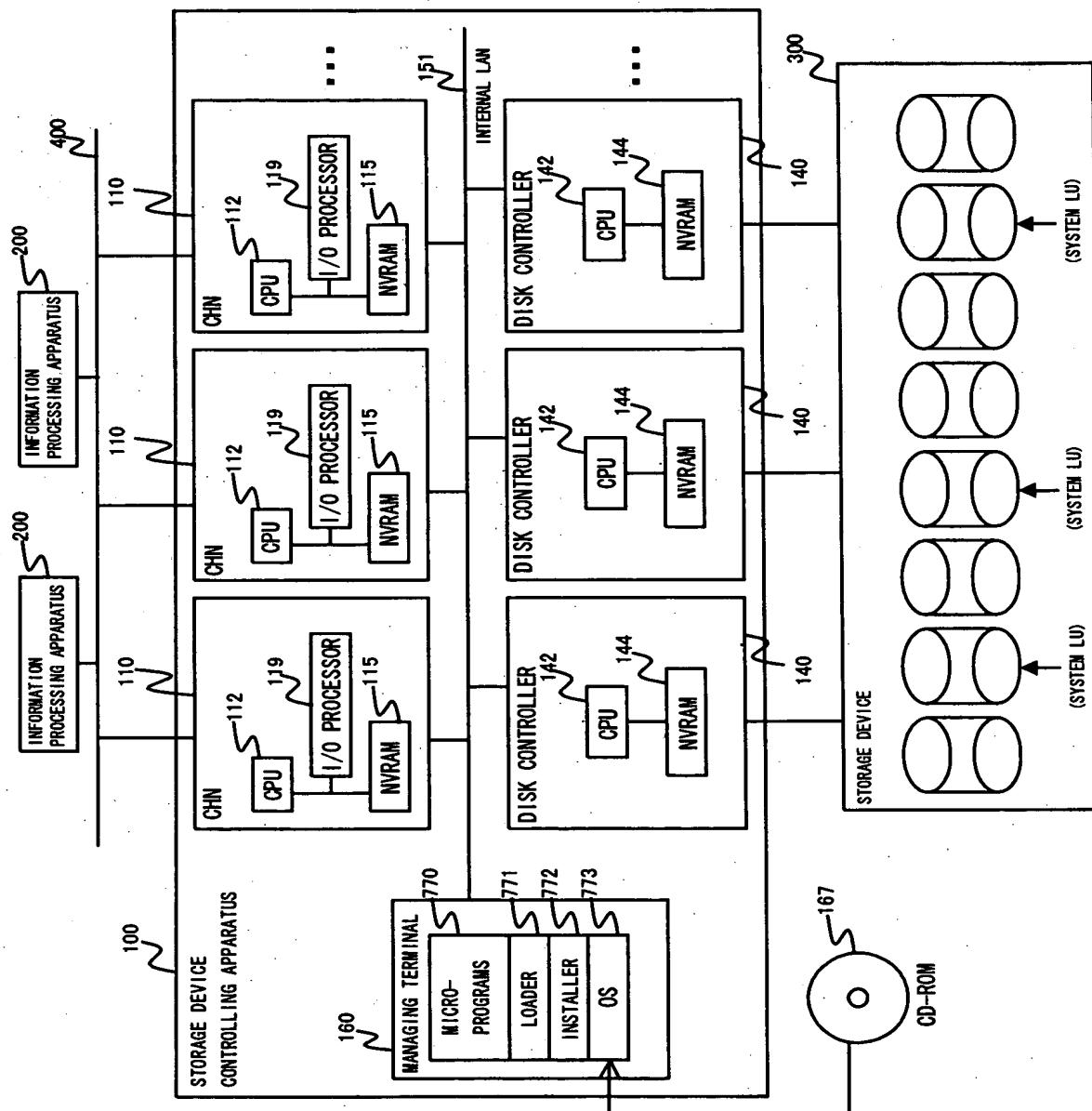
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FIG. 15

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FIG. 16

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SLOT NO.	CHANNEL ADAPTOR SELECTION	SYSTEM LU NO.	BOOT DESIGNATION
1	CHN	▽ 112	NETWORK BOOT
2	CHN	▽ 21	NETWORK BOOT
3	CHN	▽ 158	NETWORK BOOT
4	CHN	▽ 72	NETWORK BOOT
5	CHF	▽ 5	DISK BOOT
6	CHF	▽ 24	DISK BOOT
7	CHA	▽ 60	DISK BOOT
8	CHA	▽ 125	DISK BOOT

INITIAL INSTALLATION

OK CANCEL

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FIG. 17

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CLUSTER SETUP		POWER SUPPLY SYSTEM					SHARED LU	
		SLOT NO.	BOARD ID	BOARD TYPE	10-FAIL-OVER 1	10-FAIL-OVER 2		
A	1	a	CHN	2	▽	3	▽	58
B	2	b	CHN	3	▽	4	▽	58
A	3	c	CHN	4	▽	1	▽	58
B	4	d	CHN	1	▽	2	▽	58
A	5	e	CHF	6	▽	—	▽	132
B	6	f	CHF	5	▽	—	▽	132
A	7	g	CHA	8	▽	—	▽	47
B	8	h	CHA	7	▽	—	▽	47

FIG. 18

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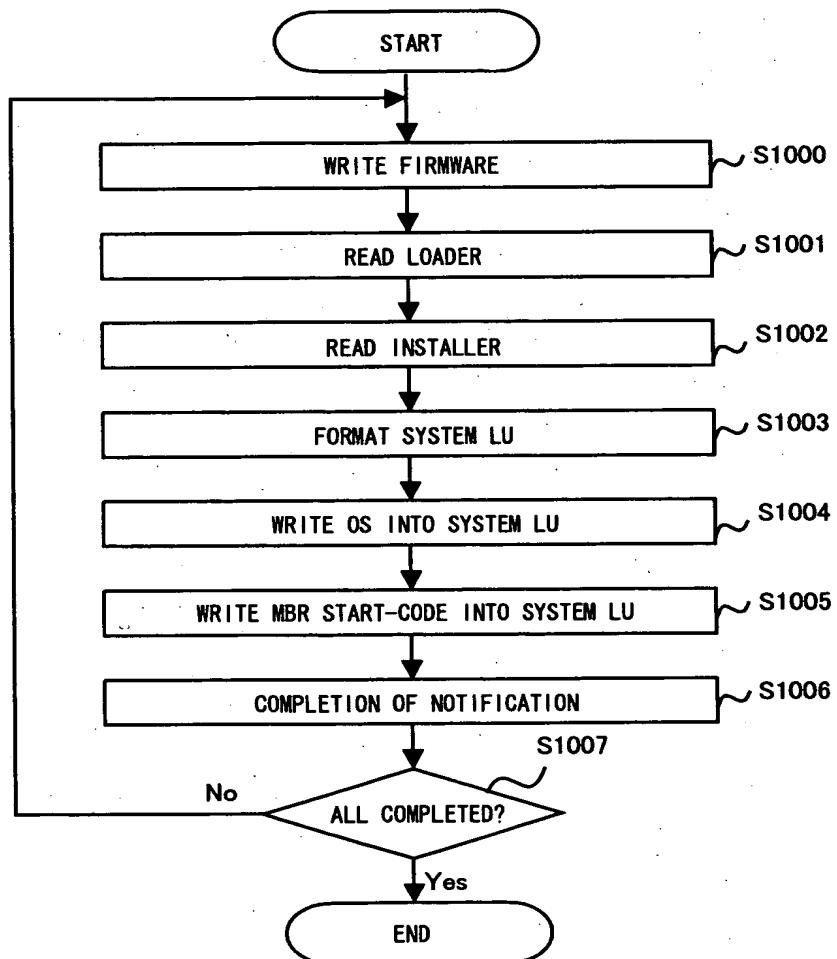


FIG. 19

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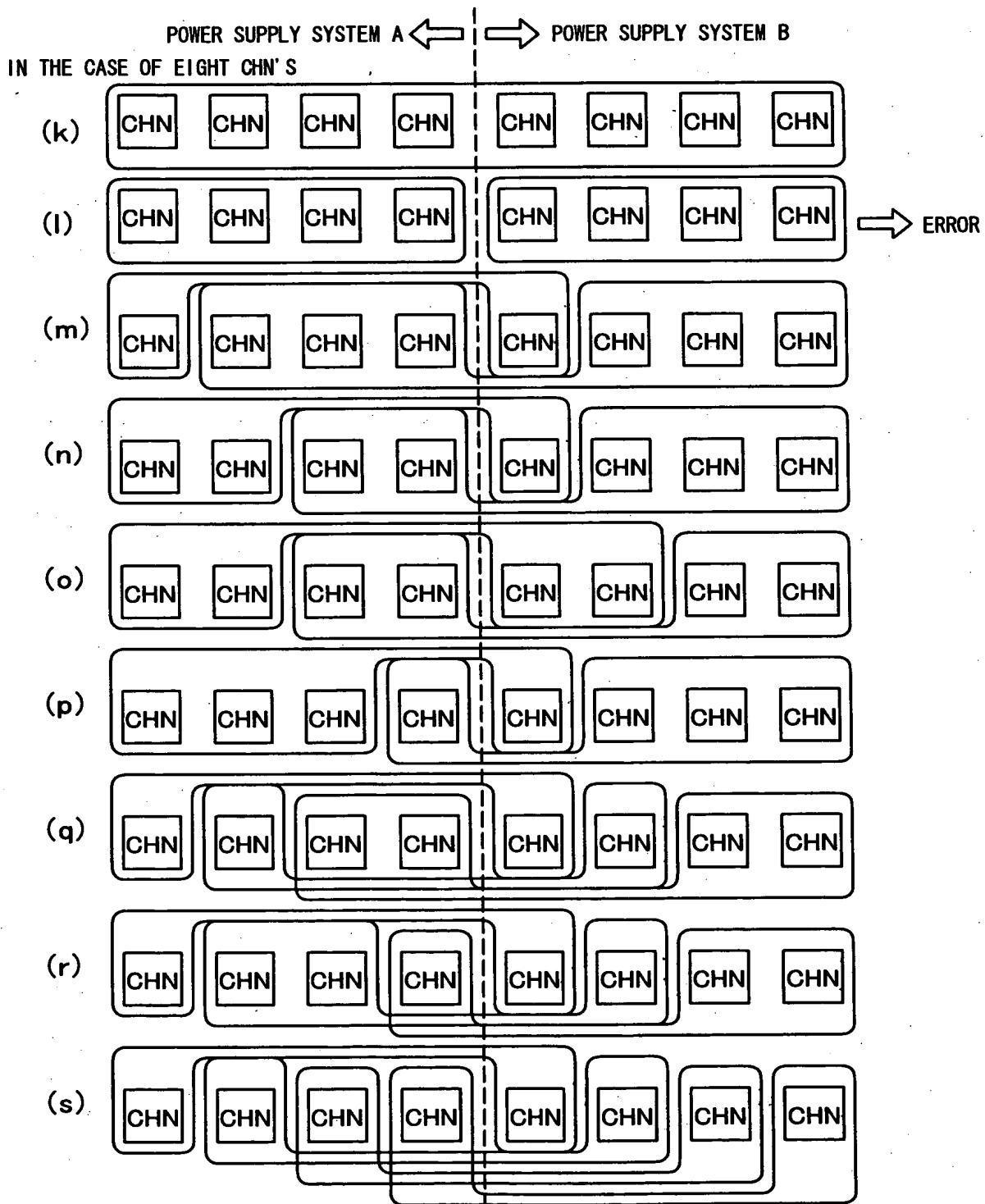
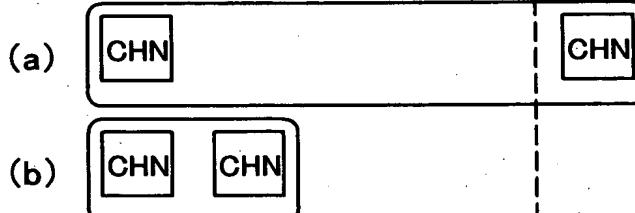


FIG. 20

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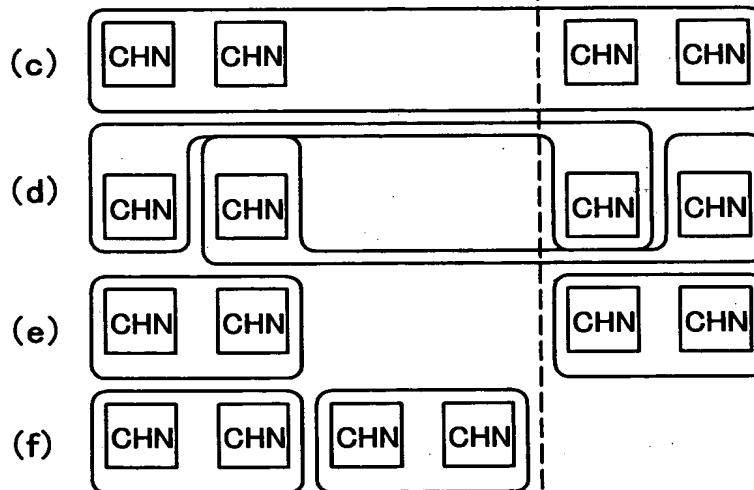
POWER SUPPLY SYSTEM A ← → POWER SUPPLY SYSTEM B

IN THE CASE OF TWO CHNs



→ ERROR

IN THE CASE OF FOUR CHNs



→ ERROR

→ ERROR

IN THE CASE OF SIX CHNs

